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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/406,803	09/28/1999	TSUGIO OKAMOTO	Q056006	1953

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EXAMINER

MEHRA, INDER P

ART UNIT

PAPER NUMBER

2666

DATE MAILED: 11/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/406,803

Applicant(s)

OKAMOTO, TSUGIO

Examiner

Inder P Mehra

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 September 1999.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 8.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1-10 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Regarding claims 1 and 6, the limitation "first address data", in lines 5 and 7, includes DA1, refer to specification's page 4 lines 11-18, and fig. 2. "DA1" conforms to source network. It is not clear as to what destination it pertains- destination in first network or second network. "DA2", which conforms to second network apparently pertains to second network. Recipient of data is at destination "DA2", it is not clear as to what "DA1" belongs to. Appropriate correction clarification is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by **Hrastar et al** (US Patent No. 6,249,523), hereinafter **Hrastar**.

Regarding claims 1-2, 4, 6-7 and 9, **Hrastar** discloses, in reference to figs. 1 and 3, data networks employing TCP/IP protocol suite and data network that are asymmetric (transmitting packets between first and second networks of different address formats), refer to col. 48-54; further discloses router (gateway, recited in claim 6) between WAN and LAN, refer to col. 7 lines 12-13; comprising the steps of:

a) Internet packets (frames) 301 are transported across a physical network containing destination Ethernet address 315 and source Ethernet address 317 in Ethernet header, fig. 3, (receiving—a packet—containing first address data conforming to first network), and employ Ethernet protocol, refer to col. 5 lines 3-13;

Hrastar, further, discloses DES IPA 307 and SRC IPA 309, fig. 3, in IP datagram 301 second address conforming to second address; header 303 is contained in **auxiliary header** of the packet **containing auxiliary information**, as recited in claims 2 and 7, refer to col. 4 lines 49-65;

b) internet protocol packets in internet are **mapped on** to the networks – cable network' link level (rewriting the first address data with the second address data), refer to col. 5 lines 30-33, col. 12 lines 52-59;

c) IP routing in the networks to a host is first routed to the proper cable network ---finally routed to RF modem (transmitting the packet to the second network), refer to col. Col. 5 lines 51-53 and col. 12 lines 59-61.

Art Unit: 2666

Regarding claims 3, 5, 8, and 10, Hraster discloses dynamic assignment of IP addresses to RF modems and their hosts make it possible to share a number of addresses in RF link among a much larger group of RF modems (eliminating from the packet a field in which second address is contained, as recited in claims 3 and 8), refer to col. 6 lines 25-27;

Hraster discloses the routing table to rout IP packets to IP hosts, refer to col. 7 lines 20-21; if not in the routing table, refer to col. 7 lines 26; put the data packet into proper form to be transformed to the relevant link-level network mapped to the first address data and converting the first address data with the detected address data, as recited in claims 5 and 10), refer to col. 7 lines 28-30.

Prior Art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Hamamoto et al (US Patent No. 6,038,233) discloses translator for IP networks, network system using the translator, and IP network coupling meeting therefore.
- Tsuchiya et al (US Patent No. 6,118,784) discloses communicating method between IPv4 terminal and IPv6 terminal and IPv5-IPv6 converting apparatus.

Conclusion

6. Any enquiry concerning this communication should be directed to Inder Mehra whose telephone number is (703) 305-1985. The examiner can be normally reached on Monday through Friday from 8:30AM to 5:00 PM.

If attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Seema Rao , can be reached on (703) 308-5463. Any enquiry of a general nature of relating to the status

Art Unit: 2666

of this application or processing should be directed to the group receptionist whose telephone number is (703) 305-4700.

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC. 20231

Or faxed to (703) 872-9314.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal drive,
Arlington, VA, sixth floor (Receptionist).

Inder Mehra
Inder Mehra 11/3/02

November 3, 2002



MELVIN MARCELO
PRIMARY EXAMINER